

1. A system for correcting raster data for spatial non-uniformities within an image, comprising:
  - a sensor for detecting a plurality of the raster data as a function of respective positions within the image;
  - a processor, which receives the raster data from the sensor, for processing the raster data to correct the spatial non-uniformities in the image; and
  - a memory device for storing a set of tone reproduction curves, respective ones of the tone reproduction curves being accessed by the processor as a function of the positions of the raster data for generating respective correction values to compensate for the non-uniformities, the processor applying the correction values to the respective raster data for generating corrected raster data.
2. The system for correcting raster data as set forth in claim 1, wherein the memory device includes:
  - a correction lookup table indexing the tone reproduction curves as a function of the respective positions within the image.
3. The system for correcting raster data as set forth in claim 1, wherein the raster data represents reflectance, a number of reflectance sub-ranges being defined between a minimum reflectance and a maximum reflectance, each of the reflectances in the raster data being included within one of the reflectance sub-ranges, each of the tone reproduction curves representing one of the reflectance sub-ranges.
4. The system for correcting raster data as set forth in claim 3, wherein sixteen (16) sub-ranges are defined between the minimum reflectance and the maximum reflectance.

5. The system for correcting raster data as set forth in claim 1, further including:

an output device for rendering the corrected raster data.

6. The system for correcting raster data as set forth in claim 5, wherein the output device includes a color printing device.